

WHAT IS CLAIMED IS:

1. A restorable conductive elastic connector comprising: a connector capable of being sucked by a sucking unit of a machining device; the connector being transferred by the machining device and
5 then be adhered to a machining object; the sucking unit has an air channel; the air channel being extended with an outlet portion at a bottom of the sucking unit; the outlet section having a tapered shape and the air channel having a sucking ability under negative pressure; characterized as:

10 The connector is made of conductive helical spring, which is wound as a sandglass; that is, a waist portion of the helical spring is narrow than a top portion and a bottom portion thereof; and the connector can be sucked to the outlet section of the sucking unit.

2. The restorable conductive elastic connector as claimed in claim
15 1, wherein the machining device is a SMT (surface mounting technology) machining device using in surface mounting device.

3. The restorable conductive elastic connector as claimed in claim 1, wherein the machining object is a printed circuit board.

4. The restorable conductive elastic connector as claimed in claim
20 1, wherein the machining object is conduction means for conducting electronic signals of an electronic device.

5. The restorable conductive elastic connector as claimed in claim 1, wherein the element is restorable in a reel tank.

6. The restorable conductive elastic connector as claimed in claim
25 1, wherein the element is fixed to the machining object and then is sucked by a sucking unit and thus compressed so that the distance connected a bottom of the sucking unit and a surface of the machining object is reduced.